

EXPRESS MAIL
EL360933793US
ATTY. DKT. 266/187
SHEET 1 OF 11

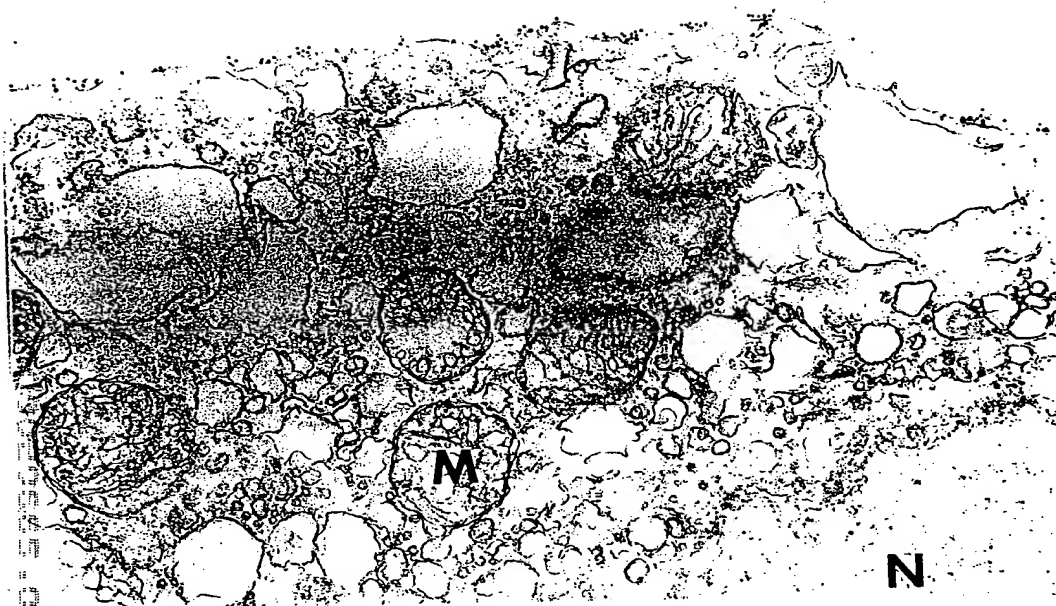


FIGURE 1

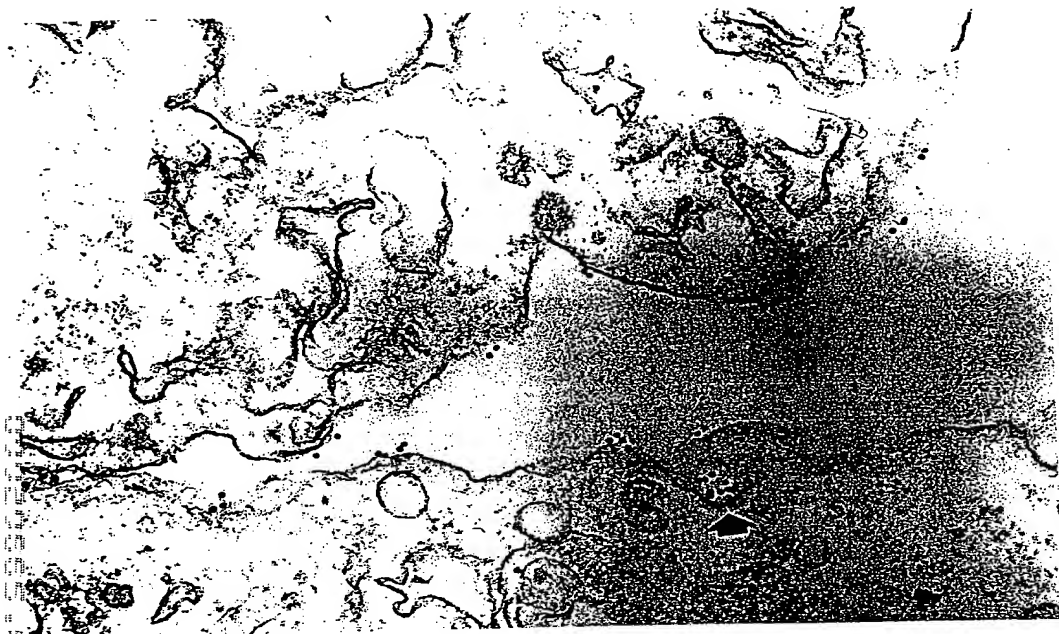


FIGURE 2

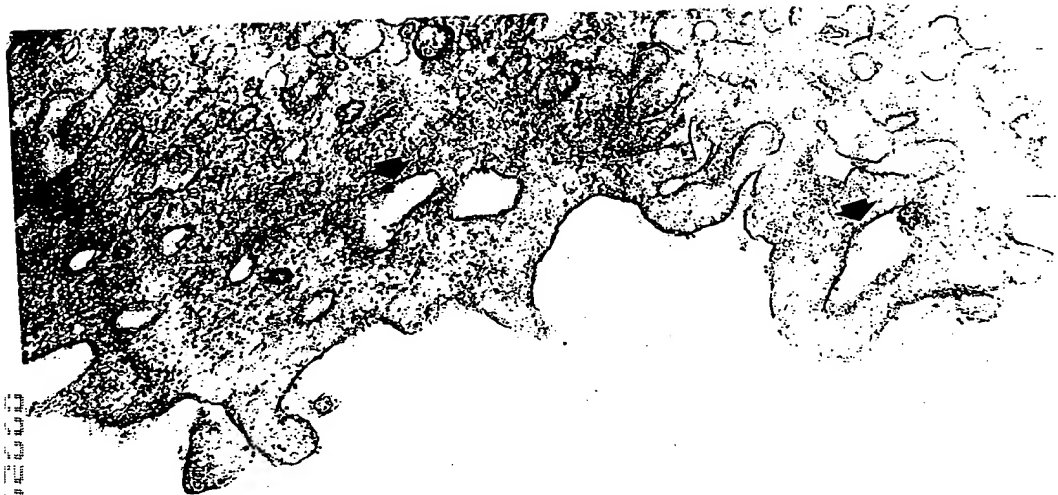
EXPRESS MAIL
EL360933793US
ATTY. DKT. 266/187
SHEET 3 OF 11



FIGURE 3

Instrument	Part	Measure	Notes
Flute	1	1-4	Flute 1
Flute	2	5-8	Flute 2
Flute	3	9-12	Flute 3
Flute	4	13-16	Flute 4
Flute	5	17-20	Flute 5
Flute	6	21-24	Flute 6
Flute	7	25-28	Flute 7
Flute	8	29-32	Flute 8
Flute	9	33-36	Flute 9
Flute	10	37-40	Flute 10
Flute	11	41-44	Flute 11
Flute	12	45-48	Flute 12
Flute	13	49-52	Flute 13
Flute	14	53-56	Flute 14
Flute	15	57-60	Flute 15
Flute	16	61-64	Flute 16
Flute	17	65-68	Flute 17
Flute	18	69-72	Flute 18
Flute	19	73-76	Flute 19
Flute	20	77-80	Flute 20
Flute	21	81-84	Flute 21
Flute	22	85-88	Flute 22
Flute	23	89-92	Flute 23
Flute	24	93-96	Flute 24
Flute	25	97-100	Flute 25
Flute	26	101-104	Flute 26
Flute	27	105-108	Flute 27
Flute	28	109-112	Flute 28
Flute	29	113-116	Flute 29
Flute	30	117-120	Flute 30
Flute	31	121-124	Flute 31
Flute	32	125-128	Flute 32
Flute	33	129-132	Flute 33
Flute	34	133-136	Flute 34
Flute	35	137-140	Flute 35
Flute	36	141-144	Flute 36
Flute	37	145-148	Flute 37
Flute	38	149-152	Flute 38
Flute	39	153-156	Flute 39
Flute	40	157-160	Flute 40
Flute	41	161-164	Flute 41
Flute	42	165-168	Flute 42
Flute	43	169-172	Flute 43
Flute	44	173-176	Flute 44
Flute	45	177-180	Flute 45
Flute	46	181-184	Flute 46
Flute	47	185-188	Flute 47
Flute	48	189-192	Flute 48
Flute	49	193-196	Flute 49
Flute	50	197-200	Flute 50
Flute	51	201-204	Flute 51
Flute	52	205-208	Flute 52
Flute	53	209-212	Flute 53
Flute	54	213-216	Flute 54
Flute	55	217-220	Flute 55
Flute	56	221-224	Flute 56
Flute	57	225-228	Flute 57
Flute	58	229-232	Flute 58
Flute	59	233-236	Flute 59
Flute	60	237-240	Flute 60
Flute	61	241-244	Flute 61
Flute	62	245-248	Flute 62
Flute	63	249-252	Flute 63
Flute	64	253-256	Flute 64
Flute	65	257-260	Flute 65
Flute	66	261-264	Flute 66
Flute	67	265-268	Flute 67
Flute	68	269-272	Flute 68
Flute	69	273-276	Flute 69
Flute	70	277-280	Flute 70
Flute	71	281-284	Flute 71
Flute	72	285-288	Flute 72
Flute	73	289-292	Flute 73
Flute	74	293-296	Flute 74
Flute	75	297-300	Flute 75
Flute	76	301-304	Flute 76
Flute	77	305-308	Flute 77
Flute	78	309-312	Flute 78
Flute	79	313-316	Flute 79
Flute	80	317-320	Flute 80
Flute	81	321-324	Flute 81
Flute	82	325-328	Flute 82
Flute	83	329-332	Flute 83
Flute	84	333-336	Flute 84
Flute	85	337-340	Flute 85
Flute	86	341-344	Flute 86
Flute	87	345-348	Flute 87
Flute	88	349-352	

FIGURE 4



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FIGURE 5

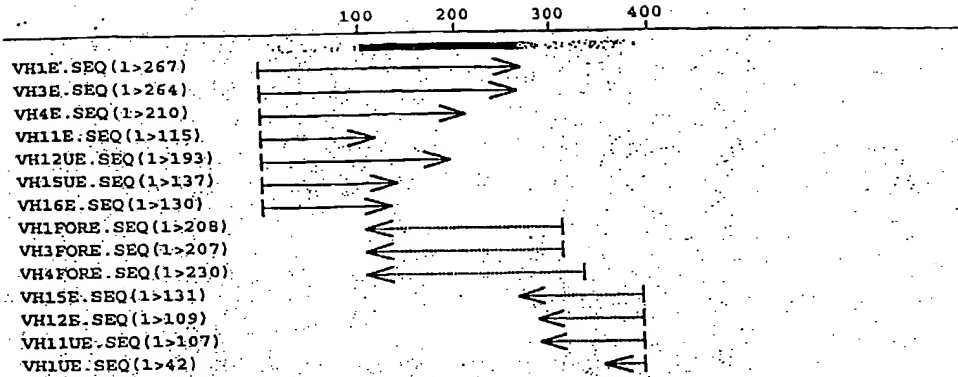


FIGURE 6

Enzymes : All 74 enzymes (No Filler)
Settings: Linear, Certain Sites Only, Standard Genetic Code

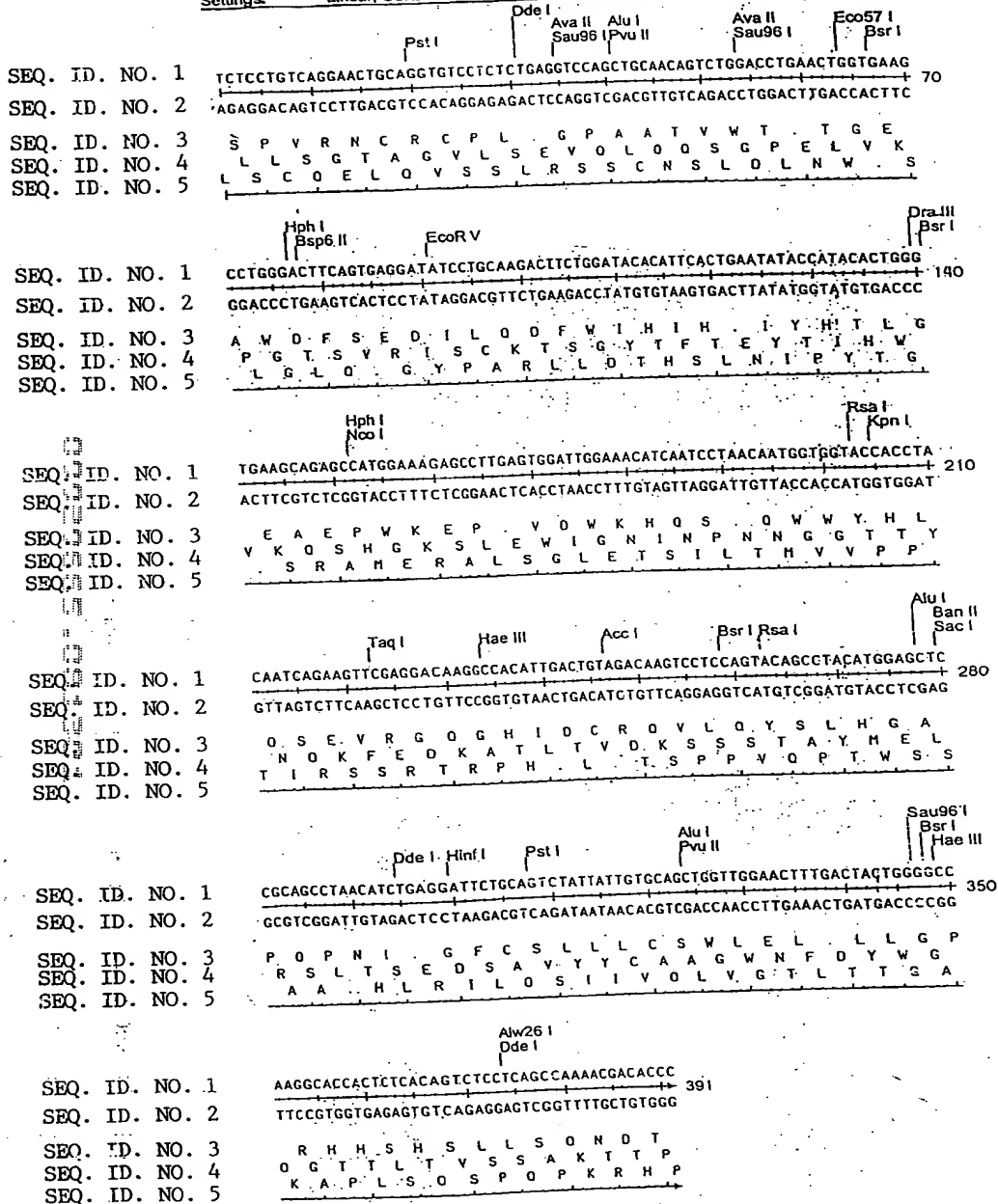


FIGURE 7

Lipman-Pearson Protein Alignment

Ktuple: 2; Gap Penalty: 4; Gap Length Penalty: 12

Seq1(1>115)	Seq2(1>125)	Similarity Index	Gap Number	Gap Length	Consensus Length
J591VH.PRO	MUVHIIA.PRO	75.6	2	10	125
(1>115)	(1>125)				

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      10      20      30      40      50
EVQLQQSGPELVKPGTSVRISCKTSQYTFEYTI-HWVKOSHGKSLEWIGNINPNNGGTT
EVQLQQSGPELVKPG:SV:ISCK:SGYTFT:Y: :WVKQS.GKSLEWIG:INP.NGGT:
EVQLQQSGPELVKPGASVKISCKASGYTFTDYYMNNWVKQSPGKSLEWIGDINPGNGGTS
      10      20      30      40      50      60
YNQKFEDKATLTVDKSSSTAYMELRSLTSEDSAVYYCAAG-----WNFDYWGGGTT
YNQKF:KATLTVDKSSSTAYM:L.SLTSEDSAVYYCA G      FDYWGQGT
YNQKFKGKATLTVDKSSSTAYMQLSSLTSEDSAVYYCARGYYSSYMAYYAFDYWGQGT
      70      80      90      100      110      120

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LTVSS
 :TVSS
 LTVSS

FIGURE 8

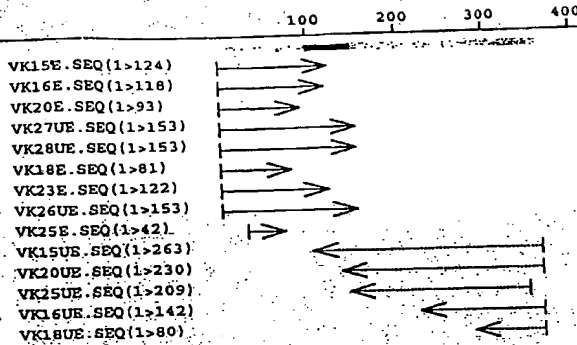


FIGURE 9

Enzymes: All 74 enzymes (No Filter)
Settings: Linear, Certain Sites Only, Standard Genetic Code

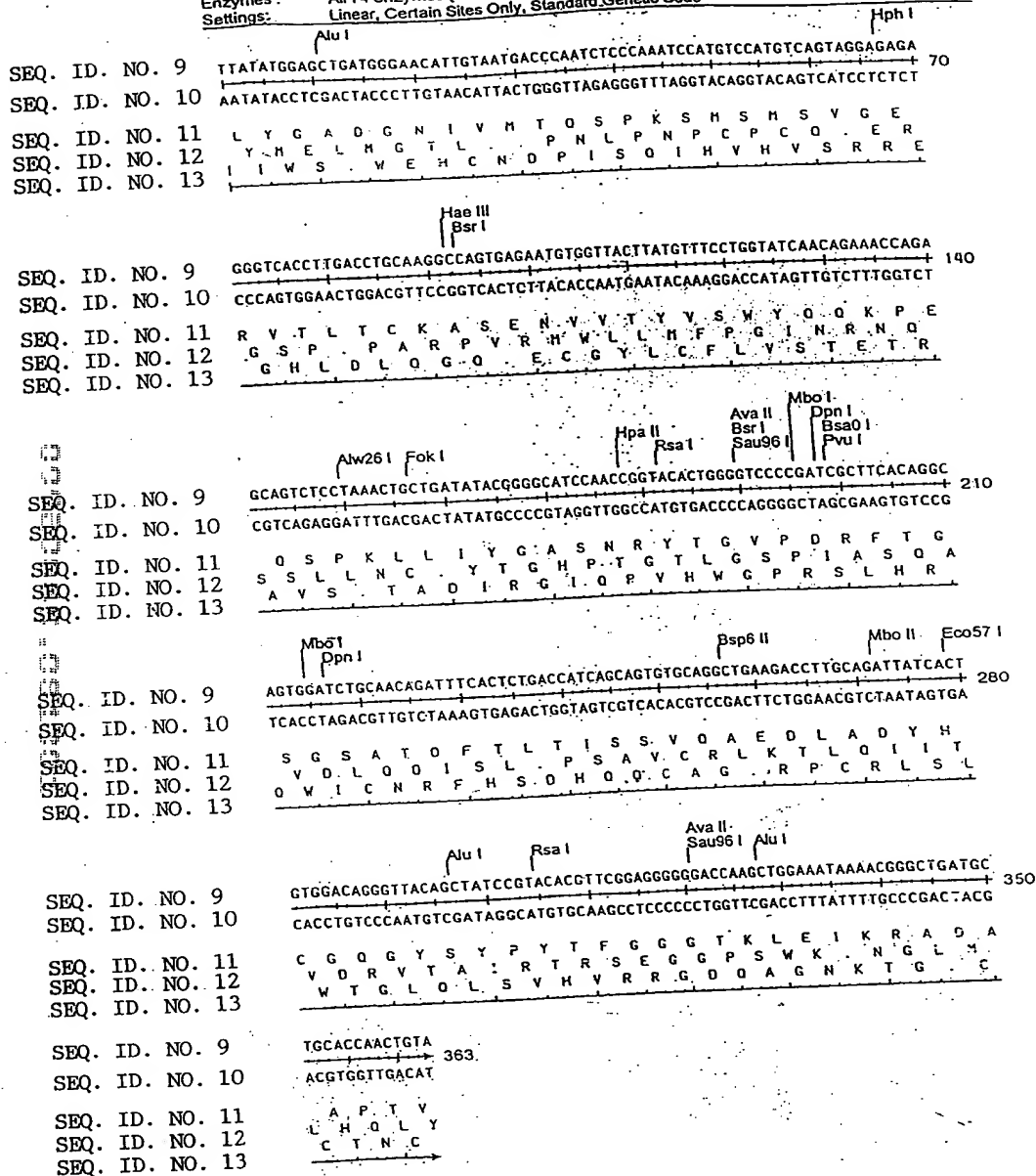


FIGURE 10

Lipman-Pearson Protein Alignment

Ktuple: 2; Gap Penalty: 4; Gap Length Penalty: 12

Seq1(1>107)	Seq2(1>111)	Similarity Index	Gap Number	Gap Length	Consensus Length
J591VK.PRO	MUVKV.PRO	60.4	2	2	109

(1>107)	(1>109)	60.4	2	2	109
NIVMTQSPKSMMSVGERVTLTCKAS-ENVVITYVSWYQQKPEQSPKLLIYGASNRYTGVP : I MTQSP.S:S S:G:RVT:TC:AS ::: Y::WYQQK.P.SPKLLIY AS::GVP DIOMTQSPSSLASLGDRVTITCRASODDISNYLNWYQQKPGGSPKLLIYYASRLHSGVP ^10 ^20 ^30 ^40 ^50 ^60 ^70 ^80 ^90 ^100 DRFTGSGSATDFTLTSSVOAEDLADYHCGQGYSPYTFGGGKLEIK RF:GSGS:TD:LTIS:::ED:A.Y C QG:: PTFGGGKLEIK SRFSGSGSGTDYSLTISNLEQEDLATYFCQDQNTLPPTTFGGGKLEIK ^70 ^80 ^90 ^100					

FIGURE 11